

## WHAT IS CLAIMED IS:

- 1           1.       A method of testing a component in a voice-over-IP network path comprising:  
2           sending a digital audio file through the component to a destination;  
3           recording the digital audio file at the destination; and  
4           measuring characteristics of the recording to analyze the component.
- 1           2.       The method of claim 1 further comprising polling the component for status  
2           information.
- 1           3.       The method of claim 2 further comprising generating a call history of the  
2           component based on the status information.
- 1           4.       The method of claim 1 further comprising repeating the sending and  
2           recording.
- 1           5.       The method of claim 1 further comprising repeating the sending, recording,  
2           and measuring.
- 1           6.       The method of claim 1 wherein the digital audio file is a WAV file.
- 1           7.       The method of claim 1 wherein the component is a software client.
- 1           8.       The method of claim 1 wherein the component is a hardware module.
- 1           9.       The method of claim 1 further comprising generating a call history of the  
2           component based on the measuring of the recording.
- 1           10.      A voice-over-IP network comprising:  
2           a source node;  
3           a path connecting the source node through a component to a destination node; and  
4           an analyzer connected to the destination node to measure characteristics of a digital

5 audio file received by the destination node.

1 11. The network of claim 10 wherein the digital audio file is contained in a digital  
2 audio store.

1 12. The network of claim 10 further comprising a test tool accessible by the  
2 source node to poll the component for status information.

1 13. The system of claim 10 wherein the component is a software client.

1 14. The system of claim 10 wherein the component is a hardware module.

1 15. The system of claim 10 wherein the digital audio file is a wav file.

1 16. A computer program product residing on a computer readable medium, the  
2 computer program comprising instructions that cause the computer to:  
3 record a digital audio file received at a destination, the digital audio file being sent  
4 through a component; and  
5 measure characteristics of the recording to analyze the component.

1 17. The computer program product of claim 16 wherein the component is a  
2 software client.

1 18. The computer program product of claim 16 wherein the component is a  
2 hardware module.

1 19. The computer program product of claim 16 wherein the digital audio file is a  
2 wav file.

1 20. A computer program product residing on a computer readable medium  
2 comprises instructions that cause the computer to:  
3 send a digital audio file to a destination through a component; and

4 poll the component for status information.

1 21. The computer program product of claim 20 wherein the component is a  
2 software client.

1 22. The computer program product of claim 20 wherein the component is a  
2 hardware module.

1 23. The computer program product of claim 20 wherein the digital audio file is a  
2 wav file.

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